SATELLITES

Air Force Satellite Control Network
The Air Force Satellite Control Network consists of worldwide remote tracking stations providing assured command, control and communications (C3) connectivity between ground satellite operations centers and more than 150 DoD, national program and civil satellites. The AFSCN conducts approximately 165,000 satellite sorties per year and is critical for C3, space safety, position determination, emergency recovery, initial launch and deployment and disposal operations.

Defense Meteorological Satellite Program
Primary function: Global weather data collection. **Dimensions:** Length 14 ft., height 12 ft. 2 in. **Weight:** 2,720 lbs. including 693-lb. sensor payload. **Power:** Solar array generating 2,200 watts. **Orbit:** Approximately 458 miles.

Defense Satellite Communications System
Primary function: Worldwide, long-haul communications. **Dimensions:** Phase III — rectangular body, 6 ft. x 6 ft. x 7 ft., 38 ft. span with solar arrays deployed. **Weight:** Phase III — 2,716 lbs. **Power:** Solar arrays generating an average of 1,500 watts. **Orbit:** 22,230 miles.

Milstar Satellite Communications System
Primary function: Global military communications system. **Weight:** 10,000 lbs. **Power:** Solar panels generating 8,000 watts. **Orbit:** 22,250 miles.

Defense Support Program
Primary function: Detection. **Dimensions:** Diameter 22 ft., height 32 ft. 9 in. with solar panels deployed. **Weight:** 5,250 lbs. **Power:** Solar panels generating 1,485 watts. **Orbit:** 22,300 miles.

Navstar Global Positioning System
Primary function: Navigation data. **Dimensions:** Block IIA — width 11 ft. 4 in., length (including wingspan) 17 ft. 4.6 in.; Block IIR — width 5 ft. 10 in., length (including wingspan) 37 ft. 5 in. **Weight:** Block IIA — 3,670 lbs.; Block IIR — 4,480 lbs. **Power:** Solar panels generating 800 watts. **Orbit:** 12,600 miles.